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# NEBRASKA BROADBAND MAPPING AND PLANNING GRANT



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## Project History

- Fall of 2008 –
  - Congress enacts the Broadband Data Improvement Act (BDIA)
  - Intent is to provide funding to eligible entities in each state for mapping broadband and to support planning activities
  - Funding was not appropriated with enactment of the BDIA



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## Project History continued

- February 2009 –
  - Congress enacts the American Recovery and Reinvestment Act (ARRA - the Stimulus Bill)
  - Appropriates \$350 million to fund the BDIA for five years



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## Project History continued

- February 2009 – continued
  - \$7.4 billion was appropriated to fund grants/loans for broadband infrastructure projects funded through the National Telecommunications and Information Administration (NTIA) (Dept. of Commerce) and Rural Utilities Service (RUS) (Dept. of Agriculture)



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## Project History continued

- July 2009 –
  - NTIA issues the Notice Of Funds Available (NOFA) for mapping/planning grant funding
  - Governor Heineman designates the Nebraska Public Service Commission (NPSC) to serve as the designated entity for the State of Nebraska to apply for Mapping and Planning grant money



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## Project History continued

- August 2009 –
  - NPSC determines that agency can manage mapping portion of project, but lack staff resources/expertise to undertake the Planning Project
  - Relationship formed with Nebraska Department of Economic Development (DED), Nebraska Information and Technology Commission (NITC), and University of Nebraska – Lincoln (UNL) who developed the State's planning effort



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## Project History continued

- August 2009 – continued
  - NPSC files application with NTIA to secure funding for the mapping/planning effort
  - NPSC also releases a Request for Proposal (RFP), using State Purchasing, seeking a vendor to assist in the mapping effort





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## Project History continued

- Fall 2009 –
  - The State designee's were notified by the NTIA that the original grant program of five years was to be reduced to a two year grant with the possibility of three additional years of funding at a later date.



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## Project History continued

- January 2010 -
  - NTIA awarded NPSC a grant of \$2.1 million for years 1 and 2
    - \$1.6 million for the Mapping Project and
    - \$0.5 million for the Planning Project
  - AIM Institute joined planning team



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## Project History continued

- May 2010 –
  - NTIA notified Grantees that they were now prepared to entertain supplemental application requests for years 3 - 5 of the original grant period authorized by Congress
  - The NPSC and the Planning Team had 30 days to prepare the supplemental grant proposal



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## Project History continued

- September 2010 –
  - NPSC notified by the NTIA that Nebraska had been awarded a supplemental grant of approximately \$3.5 million for years 3-5
    - \$1.5 million for continuation of the Mapping effort and
    - \$2.0 million for the Planning effort



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## Project History continued

- September 2010 – continued
  - Revised budget for the supplemental grant submitted on February 21, 2011
  - Awaiting final approval of the award by the NTIA



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## Mapping Project Components

- Initial activity was identification of broadband providers coupled with drafting and executing non-disclosure agreements (NDA's)
- Followed by development of data models, collection tools, and collection of data from providers willing to participate in the project
- After data is provided it must be verified and plotted
- Twice a year data is updated and submitted to NTIA



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## Mapping Project Challenges

- No ability to compel data from providers in a uniform format (voluntary participation)
- NTIA has not been consistent in program requirements/process
- Commission internal resources have been stretched by evolving grantee workload



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## Identification of Providers

FCC 477 submitters, NE Certificated LEC, Non-NE Certificated LEC, Registered Communications Providers (ISPs, Cellular Providers, Fixed & Mobile Wireless)	283
After extensive research some of original list were identified as subsidiary's or did not provide internet service	<159>
Non Disclosure Agreement sent to potential ISPs	124
During NDA process some ISPs were determined to be resellers Known ISPs refused to participate	-41 -2 <43>
Data Request sent to remaining ISPs	81
ISPs that responded with data for Round 1	66
ISPs that responded with data for Round 2	65





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## Mapping Project Key Dates

- Initial dataset provided to the NTIA in June, 2010
  - Update to original data provided October 1, 2010
  - Currently finalizing data for submission in April, 2011
  - Second data submission for 2011 due September and will complete data collection for years 1 & 2
- 
- Nebraska Map: <http://broadbandmap.nebraska.gov>
  - National Map: [www.broadbandmap.gov](http://www.broadbandmap.gov)



## Nebraska Broadband Map

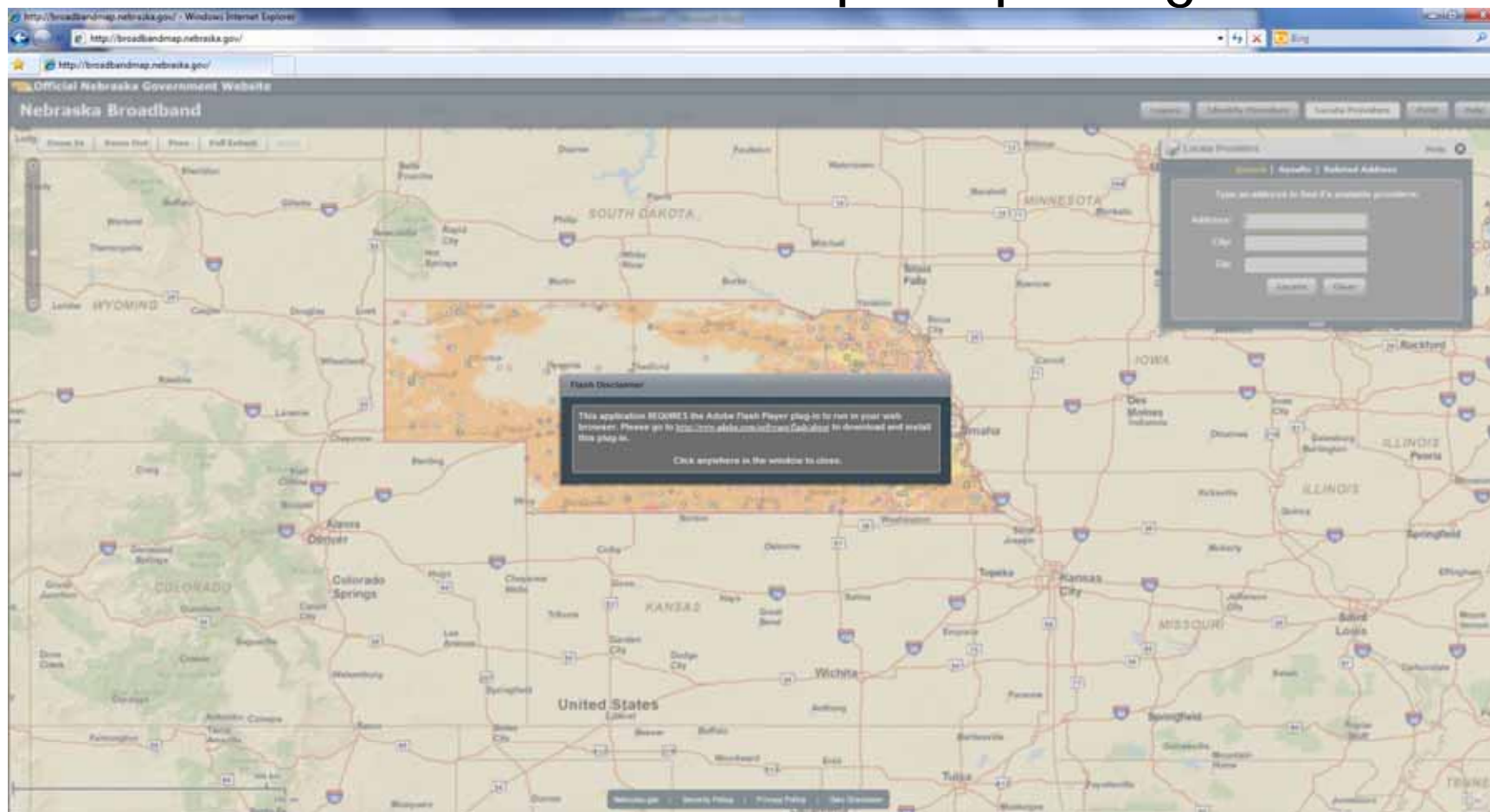
- <http://broadbandmap.nebraska.gov>
- Following series of slides provides an overview of the Nebraska Broadband Map capabilities and tools



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## Nebraska Broadband Map – Opening Screen



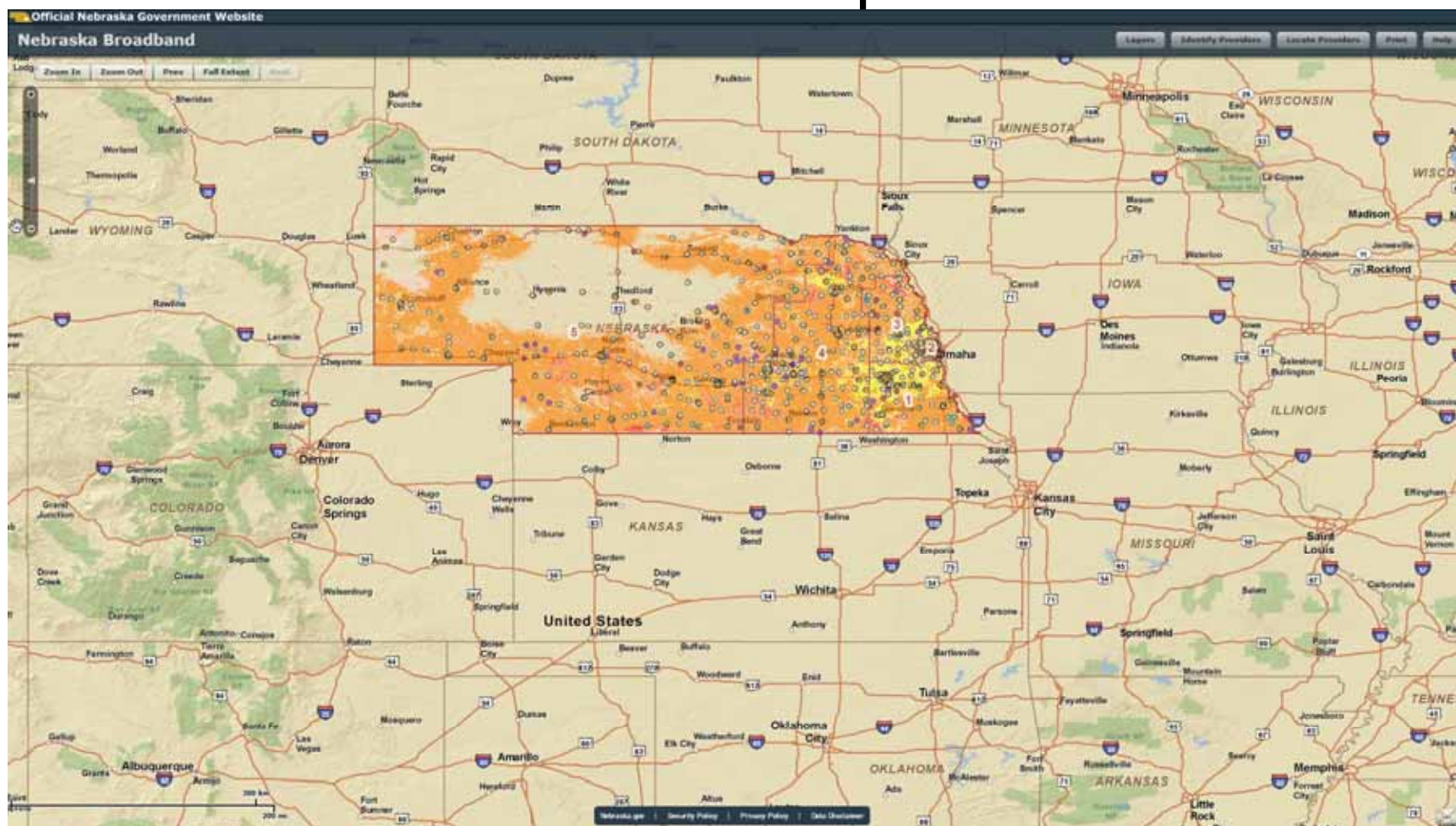




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## Nebraska Broadband Map – Basic Controls



4/7/2011

20









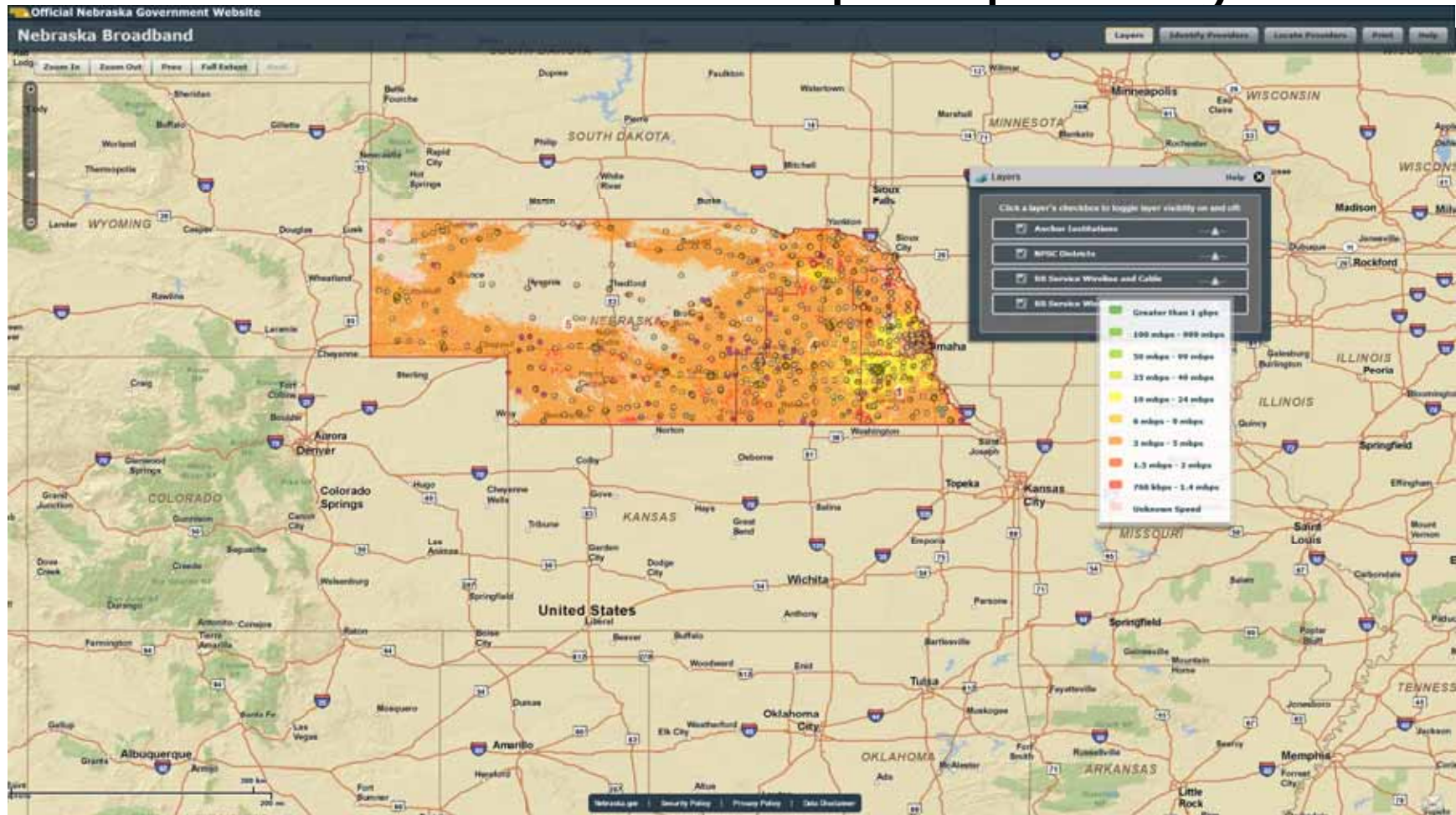




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## Nebraska Broadband Map – Speed Symbols



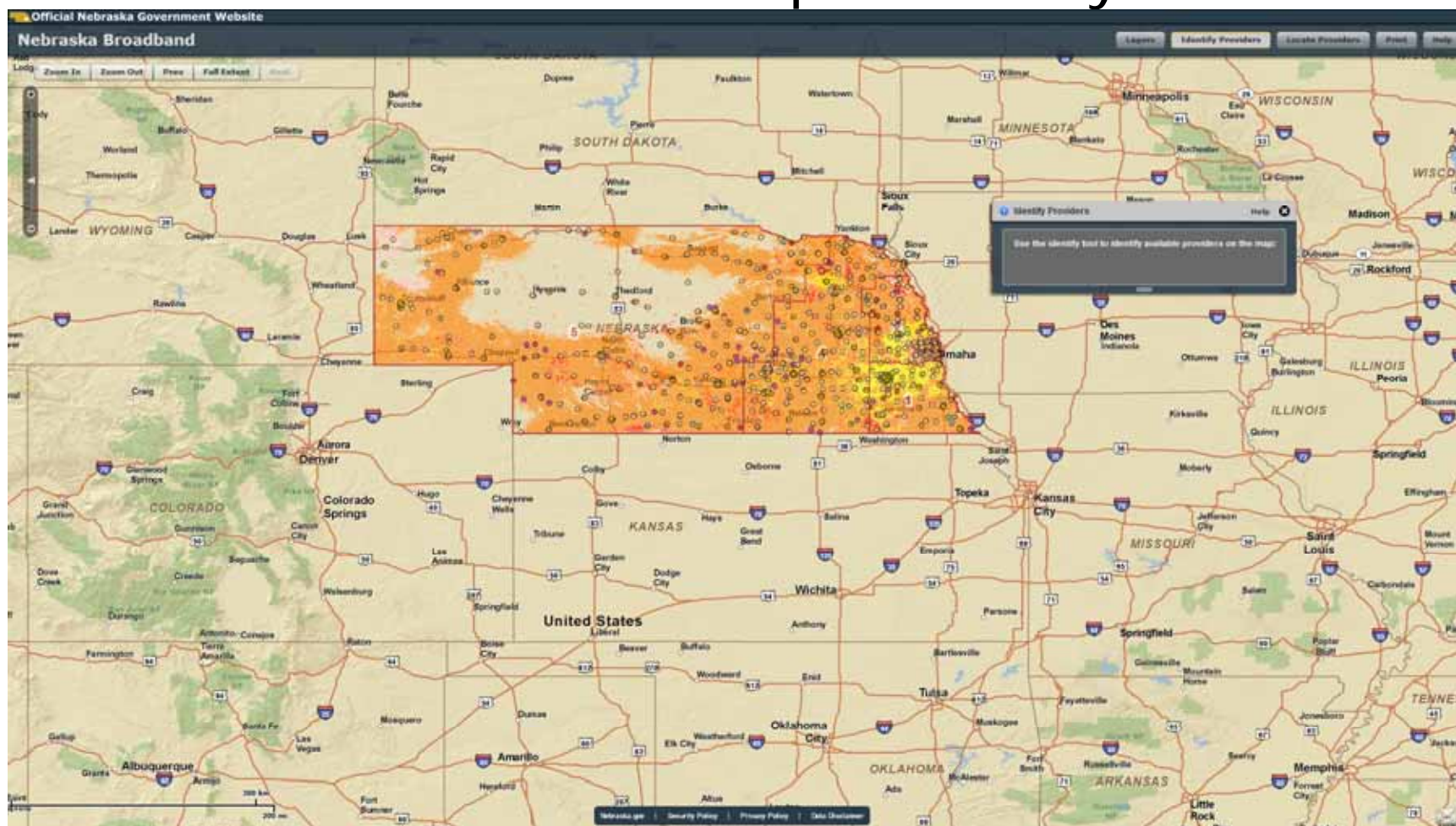




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## Nebraska Broadband Map – Identify Providers



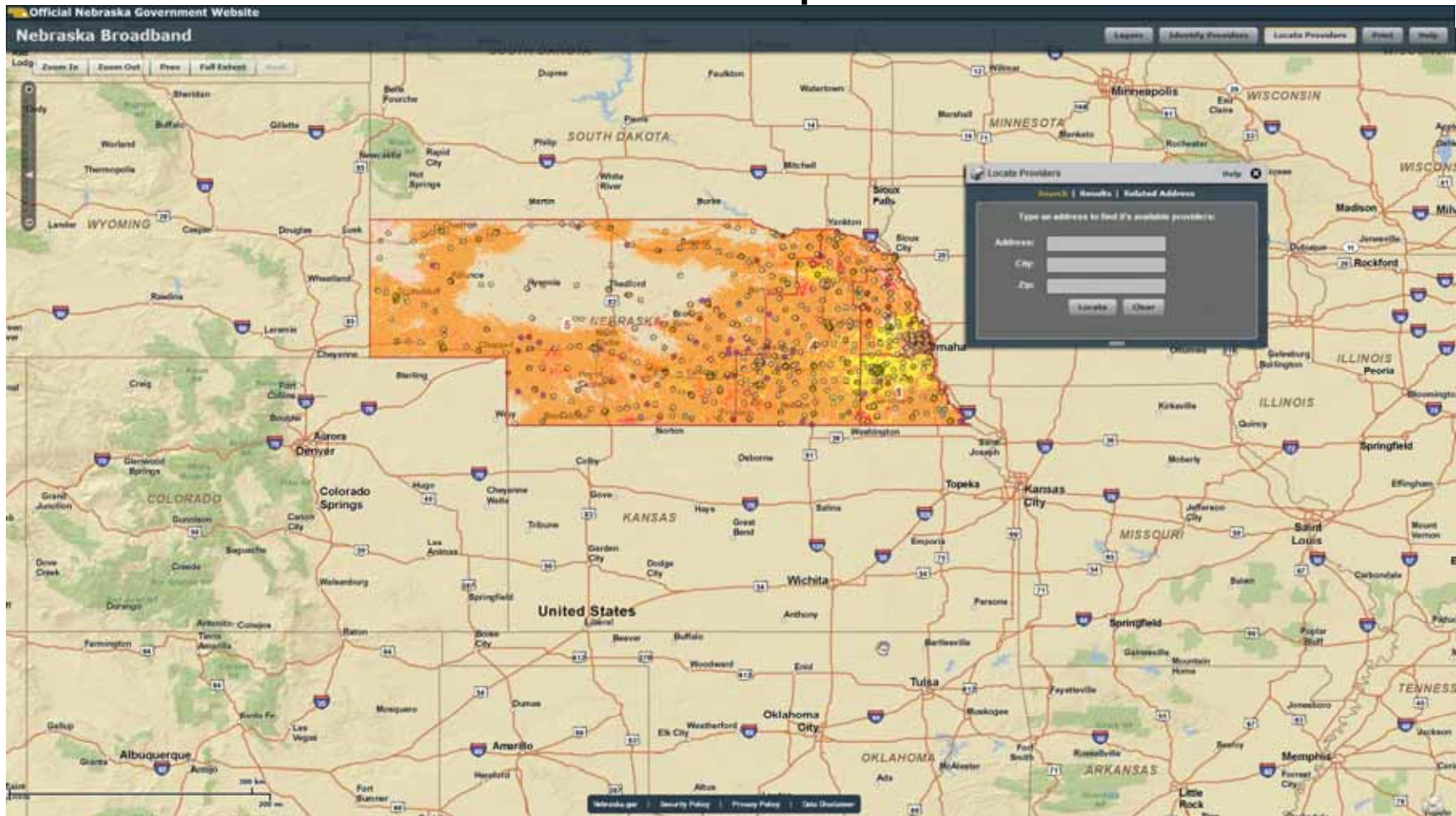




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## Nebraska Broadband Map – Locate Providers

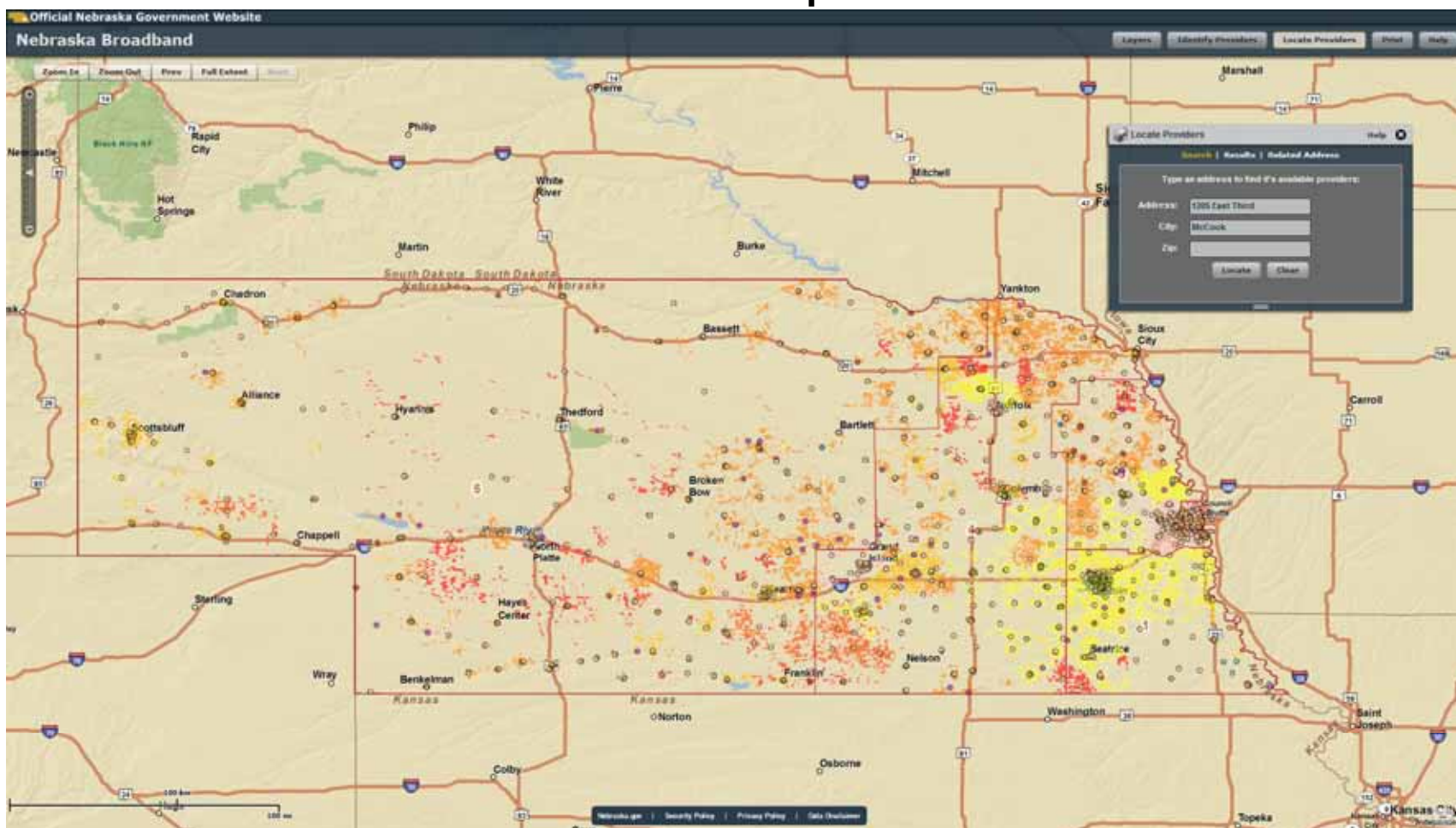




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## Nebraska Broadband Map – Locate Providers



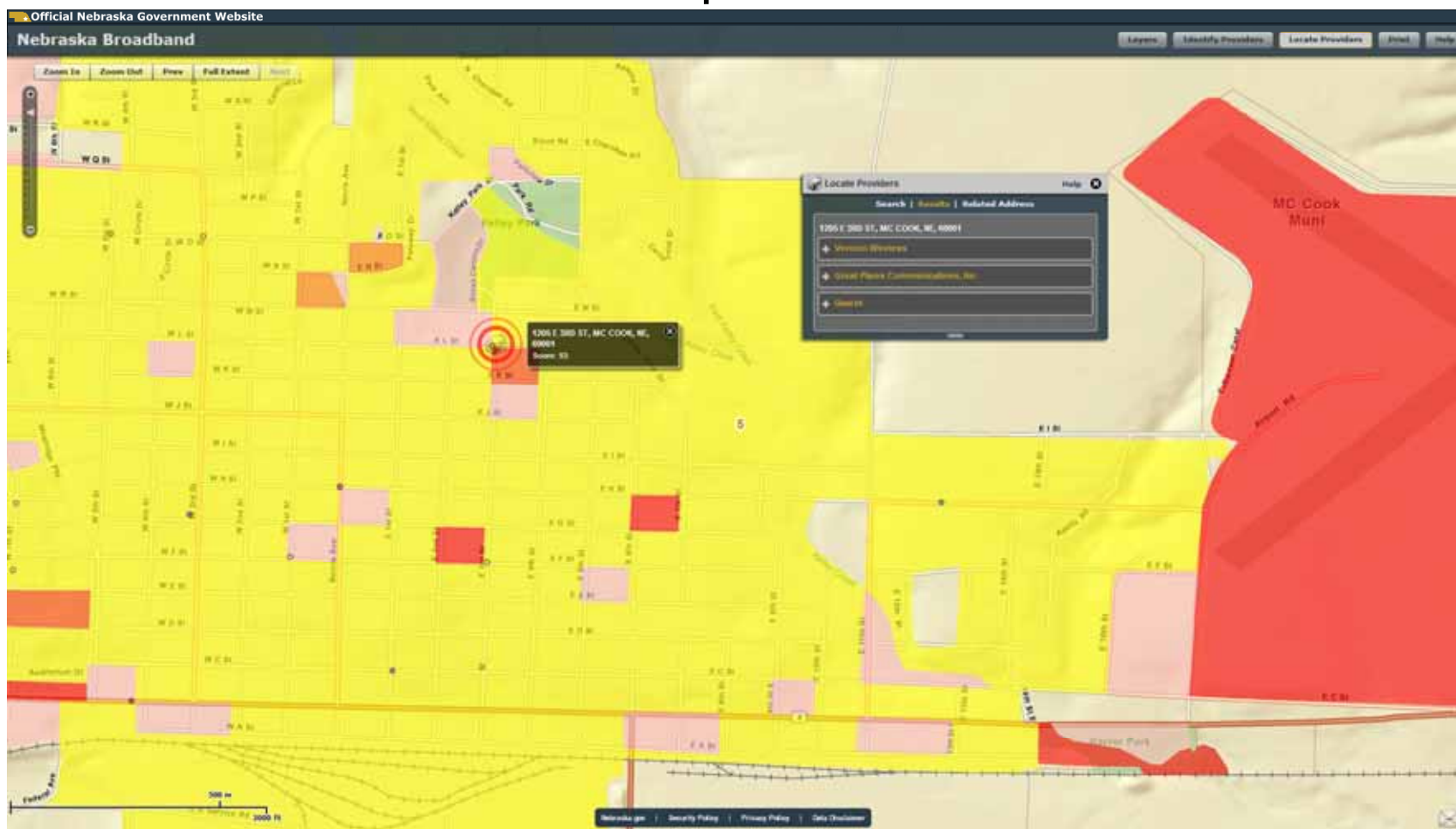




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## Nebraska Broadband Map – Locate Providers Results

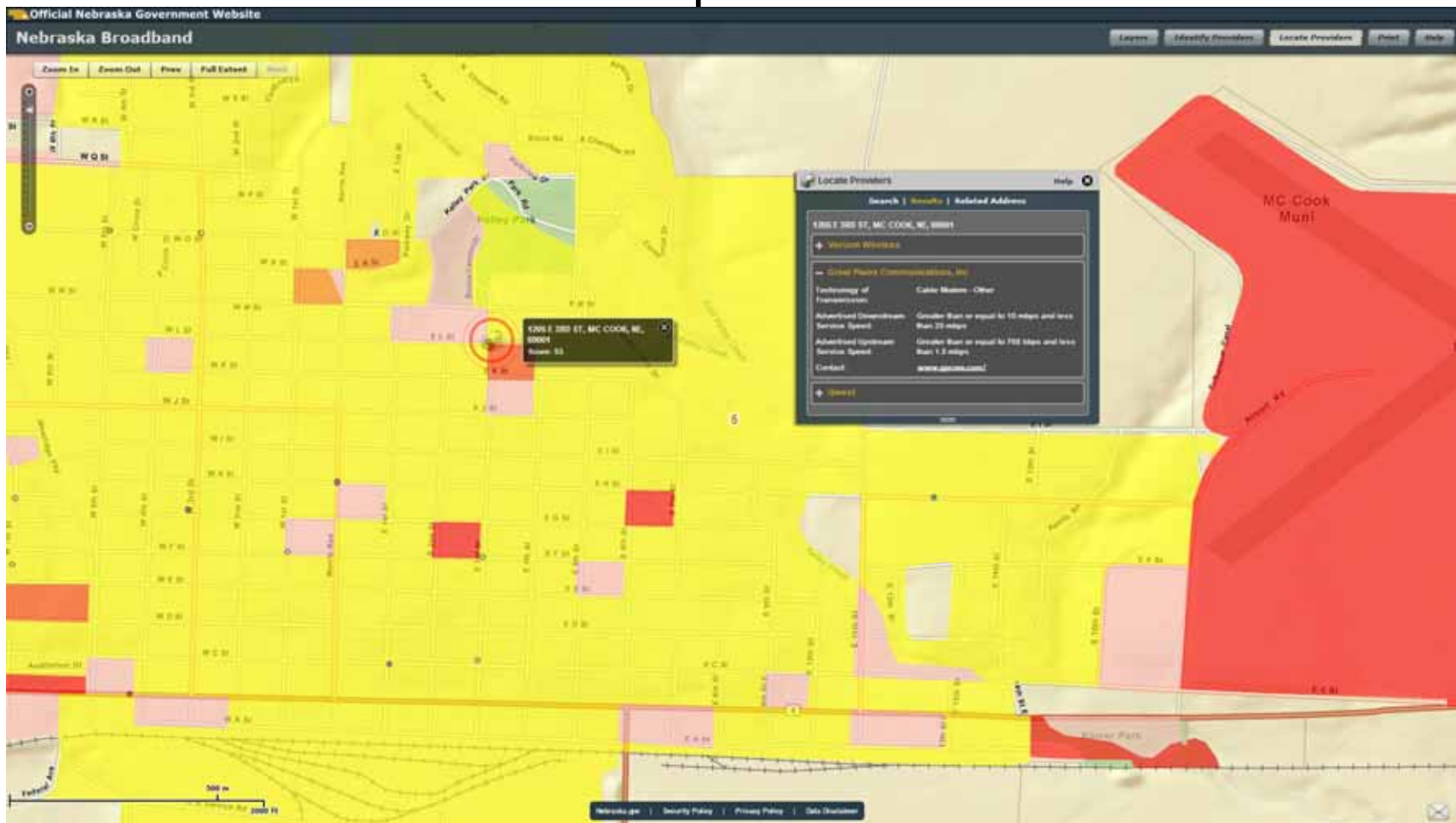




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## Nebraska Broadband Map – Locate Providers Results

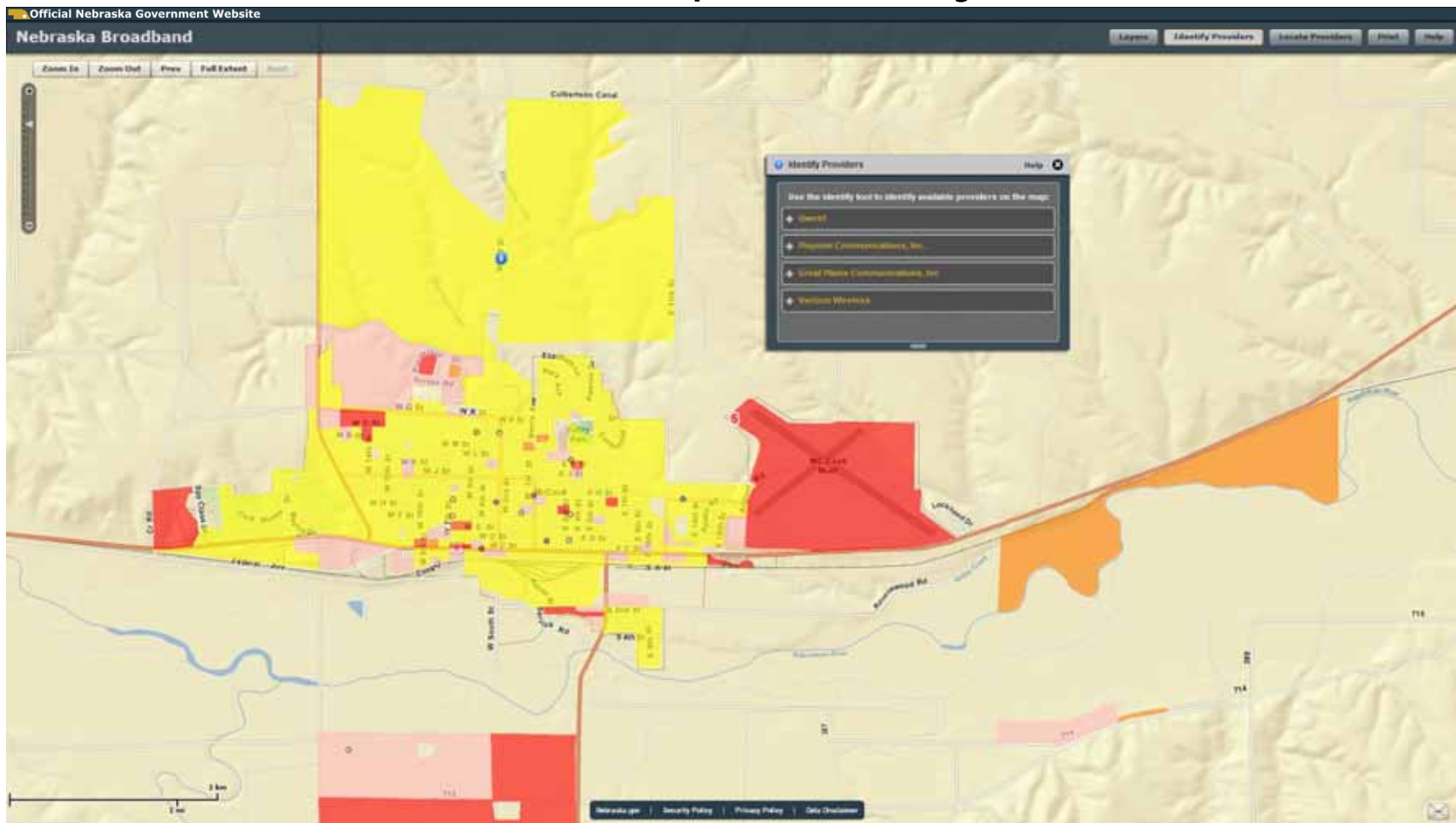




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## Nebraska Broadband Map – Identify Provider Results





## National Broadband Map

- [www.broadbandmap.gov](http://www.broadbandmap.gov)
- Following series of slides provides an overview of the National Broadband Map capabilities and tools

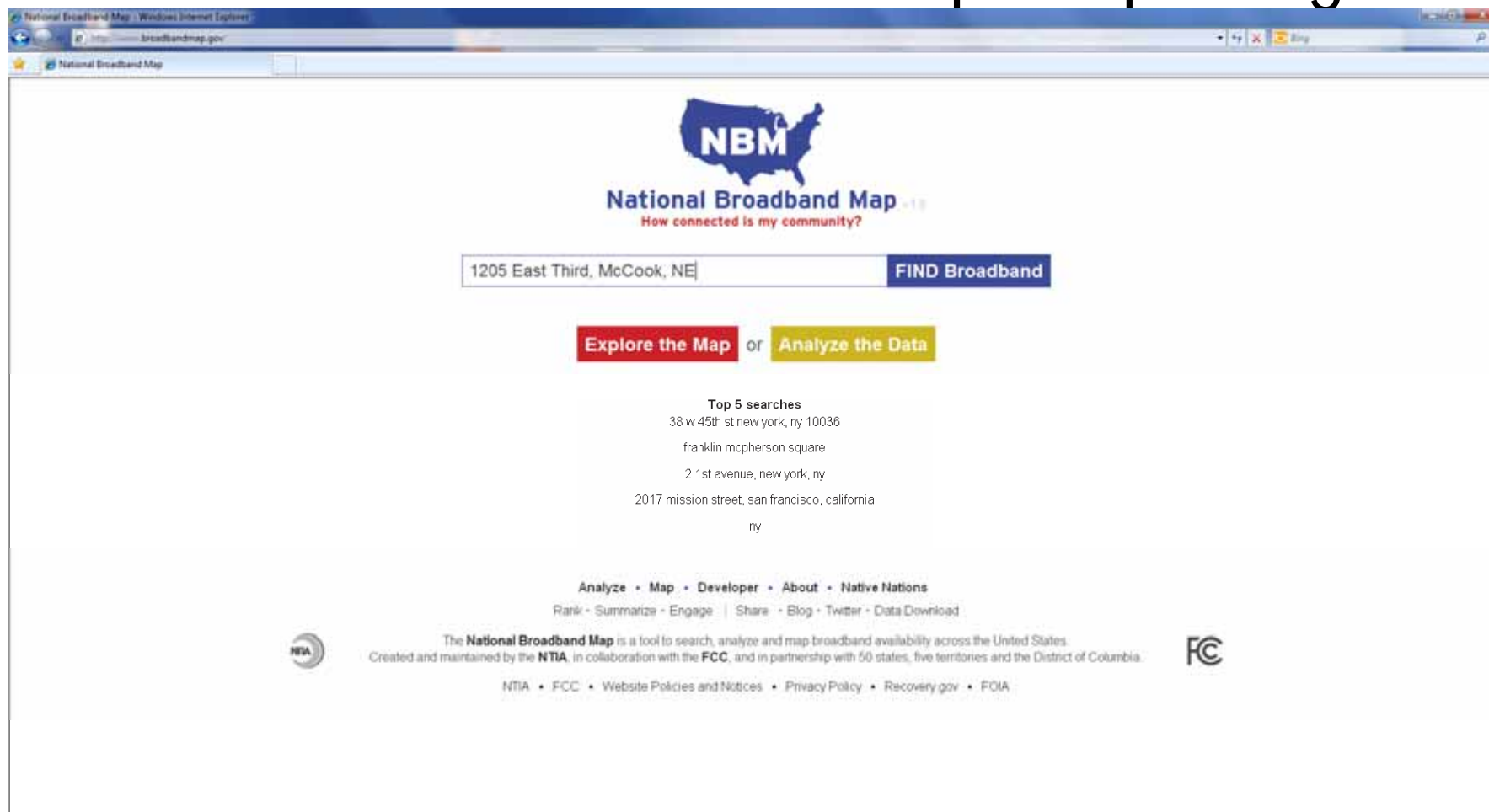




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## National Broadband Map – Opening





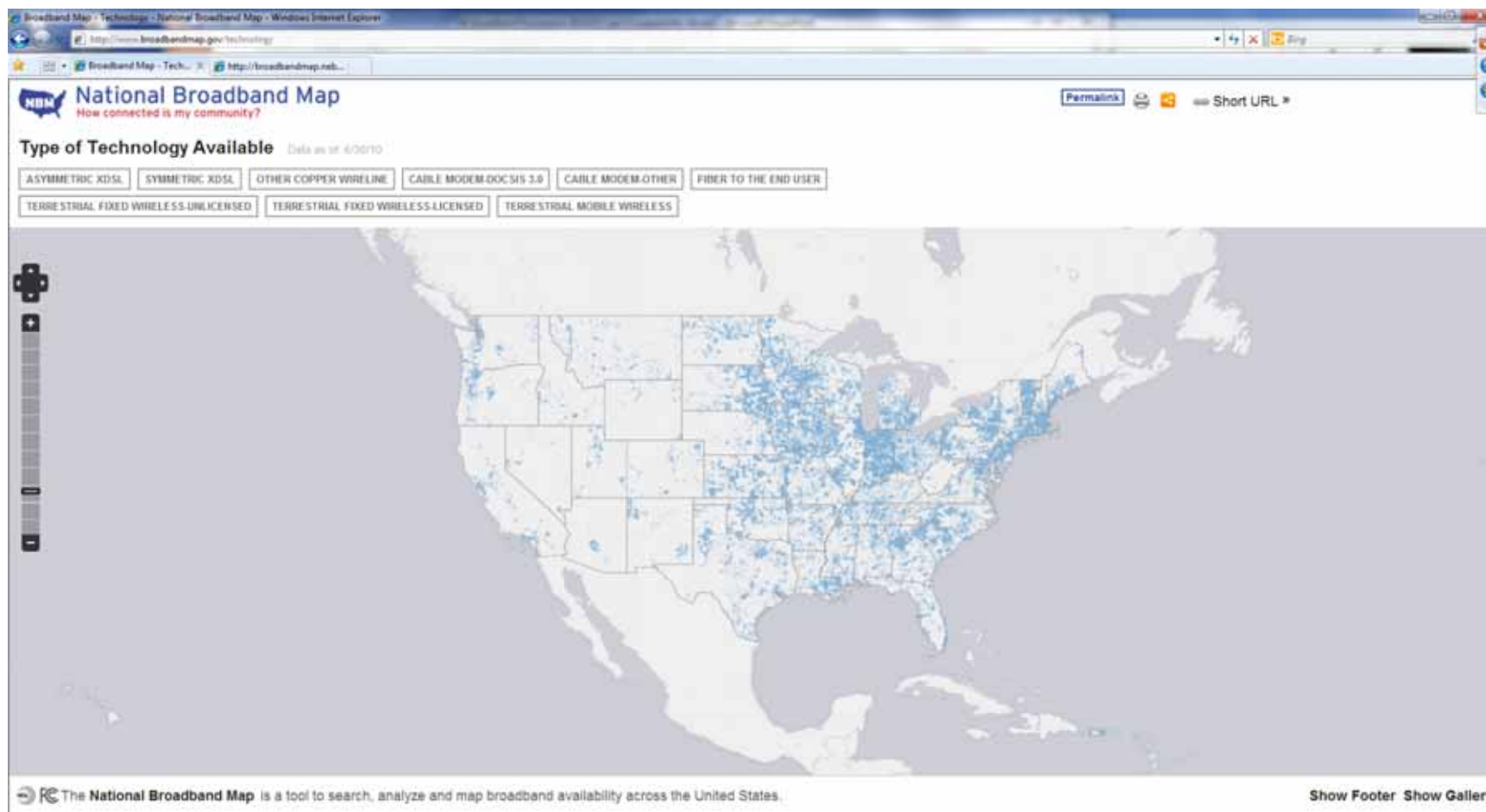




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## National Broadband Map

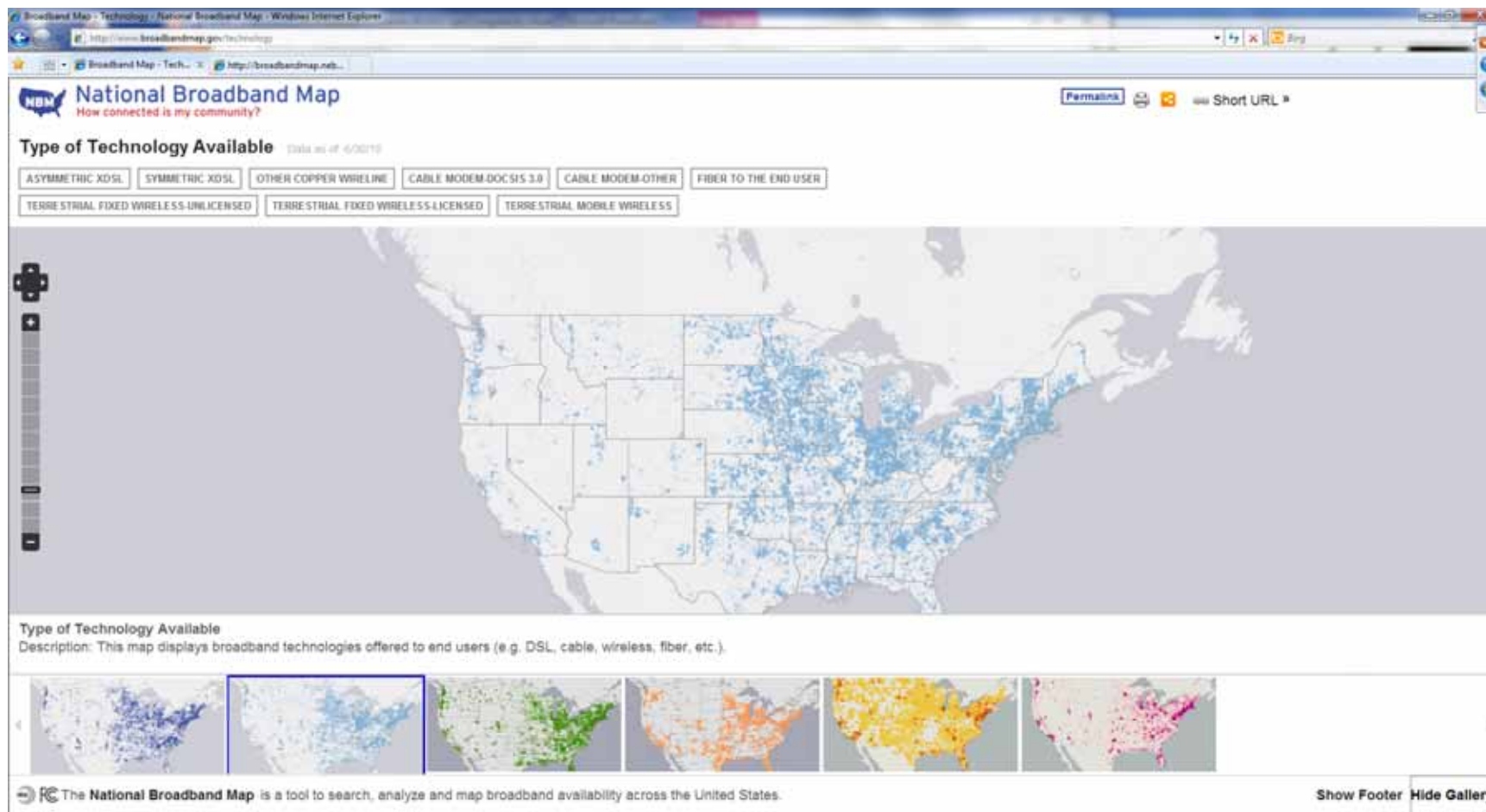




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## National Broadband Map





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## National Broadband Map

Windows Internet Explorer  
http://www.broadbandmap.gov/analyze

Homepage • Analyze • Map • Developer • About • Native Nations

### National Broadband Map

Now connected is my community?

#### Analyze

Use the tools below to rank an area by a specific broadband attribute, generate summaries of broadband availability for a given area and download reports containing popular statistics.

#### Rank

Use this tool to compare broadband availability in different areas. Generate a national list of states, counties, Metropolitan Statistical Areas (MSA), Congressional Districts, census designated places or Universal Service Fund (USF) study areas by broadband speed, technology, number of broadband providers or demographic information. The tool also generates ranked lists within a state, including by county, census designated place, Congressional District, state legislative district, MSA and USF study area.

#### Summarize

Use this tool to generate an overview of broadband availability for any state, county, state legislative district, Metropolitan Statistical Area (MSA), Universal Service Fund (USF) study area, or Native Nations.

#### Popular Reports

View and download popular reports.

- Broadband Availability in Urban vs. Rural Areas
- Number of Providers by Speed Tier
- Access to Broadband Technology by Speed

#### Share

Share this page with my community

#### Map

Map my community

#### Rank

Rank my community

#### Summarize

View statistics about my community

#### Broadband Classroom

Learn more about broadband

#### Engage

Build a better map for my community

#### Blog

**What makes the National Broadband Map #gov20?**  
posted by Andrew Mai Rie on March 18, 2011

#### Updates

Sign up and receive updates about the National Broadband Map

results: 0.11 seconds